# GDL 69 Series SiriusXM® Satellite Radio Activation Instructions

190-00355-04 March 2015 Revision L

© 2004-2015 Garmin International, Inc., or its subsidiaries
All Rights Reserved

Except as expressly provided herein, no part of this manual may be reproduced, copied, transmitted, disseminated, downloaded or stored in any storage medium, for any purpose without the express prior written consent of Garmin. Garmin hereby grants permission to download a single copy of this manual and of any revision to this manual onto a hard drive or other electronic storage medium to be viewed and to print one copy of this manual or of any revision hereto, provided that such electronic or printed copy of this manual or revision must contain the complete text of this copyright notice and provided further that any unauthorized commercial distribution of this manual or any revision hereto is strictly prohibited.

SiriusXM®, Sirius®, XM® and all related marks and logos are trademarks of Sirius XM Radio Inc. All other marks and logos are property of their respective owners. All rights reserved.

At Garmin, we value your opinion. For comments about this guide please e-mail: Techpubs.Salem@garmin.com. For comments about Garmin aviation products, email Avionics@garmin.com.

Garmin International, Inc.
1200 E. 151st Street
Olathe, KS 66062 USA
Telephone: (913) 397-8200
Aviation Dealer Technical Support Line (Toll Free): (888) 606-5482
www.garmin.com

Garmin (Europe) Ltd.
Liberty House
Bull Copse Road
Hounsdown Business Park
Southampton, SO40 9LR, UK
Telephone: 44 (0) 23 8053 4000
Fax: 44 (0) 23 8052 4004

Garmin AT, Inc.
2345 Turner Road, SE
Salem, Oregon 97302
Telephone: (503) 581-8101
Toll Free: (800) 525-6726 (US) or (800) 654-3415 (Canada)

## DEFINITIONS OF WARNINGS, CAUTIONS, AND NOTES

**WARNING**

*Warnings indicate that immediate attention must be given to avoid potential equipment damage and personal injury should the instructions be disregarded.*

**CAUTION**

*Cautions indicate an alert to potential damage to the equipment, if the procedural step is not directly followed.*

**NOTE**

*Notes indicate additional information is needed.*

**NOTE**

*All screen shots used in this document are current at the time of publication. Screen shots are intended to provide visual reference only. All information depicted in screen shots, including software file names, versions, and part numbers, is subject to change and may not be up to date.*

## ACKNOWLEDGMENT

Hardware and required monthly subscription sold separately. USER ACKNOWLEDGES THAT GARMIN HAS NO CONTROL OVER THE TERMS AND REQUIRMENTS OF THE SUBSCRIPTION. COMPATABILITY OF HARDWARE EQUIPMENT WITH THEN-CURRENT SUBSCRIPTION OFFERING OF SERVICE PROVIDER IS ALSO BEYOND GARMIN'S CONTROL. GARMIN SHALL HAVE NO LIABILITY IF CHANGES IN SERVICE PROVIDER'S SUBCRIPTION OFFERING NEGATIVELY IMPACTS OR RENDERS IMPOSSIBLE THE USE OF PURCHASED GARMIN HARDWARE EQUIPMENT WITH THE SERVICE PROVIDER'S OFFERING IN THE FUTURE. Subscription fee is consumer only. Other fees and taxes, including a one-time activation fee may apply. All programming fees and weather data subject to change. SiriusXM weather data and individual product availability vary by hardware equipment. Reception of the SiriusXM signal may vary depending on location. Subscriptions subject to Customer Agreement included with the SiriusXM Welcome Kit and available at www.siriusxm.com/sxmaviation. USER ACKNOWLEDGES THAT GARMIN IS AN INTENDED THIRD PARTY BENEFICIARY OF SUCH CUSTOMER AGREEMENT, AND THAT ALL DISCLAIMERS CONTAINED THEREIN EQUALLY APPLY AS IF SUCH DISCLAIMERS WERE MADE DIRECTLY BY GARMIN. Available only in the 48 contiguous United States.

THE USER AGREES THAT THE SIRIUSXM WEATHER SERVICE OFFERING IS PROVIDED "AS IS", THAT YOUR GARMIN HARDWARE EQUIPMENT ONLY ALLOWS THE DISPLAY OF SUCH SERVICE OFFERING, AND THAT ANY CHANGES BY THE SERVICE PROVIDER MAY INTERFERE WITH THE ABILITY OF YOUR GARMIN HARDWARE EQUIPMENT TO RECEIVE OR DISPLAY SUCH SERVICE OFFERING. FURTHER, SUCH SERVICE OFFERING CONTAINS INFORMATION FURNISHED BY OTHERS WHO ARE NOT UNDER THE CONTROL OF GARMIN, AND THEREFORE THE SERVICE OFFERING IS ACCORDINGLY FURNISHED WITHOUT ANY WARRANTY OF GARMIN, EXPRESS OR IMPLIED, INCLUDING WITHOUT LIMITATION, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

# TABLE OF CONTENTS

**1 OVERVIEW ..... 1-1**
1.1 Introduction ..... 1-1
1.2 General Activation Information ..... 1-1
1.3 Refreshing Activation ..... 1-1
1.4 Deactivation/Reactivation ..... 1-2
1.5 Reference Documents ..... 1-2
**2 MX20/GMX 200 ACTIVATION ..... 2-1**
2.1 Activation Steps ..... 2-1
2.2 Verify Activation ..... 2-3
**3 G1000/G900X/G950 ACTIVATION ..... 3-1**
3.1 Activation Steps ..... 3-1
3.2 Verify Activation ..... 3-3
**4 G500/G600 ACTIVATION ..... 4-1**
4.1 Activation Steps ..... 4-1
4.2 Verify Activation ..... 4-2
**5 GNS 400/500 SERIES ACTIVATION ..... 5-1**
5.1 Activation Steps ..... 5-1
5.2 Verify Activation ..... 5-3
**6 GNS 400W/500W SERIES ACTIVATION ..... 6-1**
6.1 Activation Steps ..... 6-1
6.2 Verify Activation ..... 6-2
**7 GTN 6XX/7XX ACTIVATION ..... 7-1**
7.1 Activation Steps ..... 7-1
7.2 Verify Activation ..... 7-3

## LIST OF FIGURES


Figure 2-1 GMX 200 ID Locations ..... 2-2
Figure 2-2 GMX 200 Channel List ..... 2-2
Figure 3-1 AUX Group ..... 3-1
Figure 3-2 XM Info Page ..... 3-2
Figure 3-3 XM Radio Subpage ..... 3-2
Figure 3-4 Lock Activation Screen ..... 3-3
Figure 4-1 XM Information Page ..... 4-1
Figure 4-2 Lock Activation Screen ..... 4-2
Figure 4-3 XM Radio Page ..... 4-3
Figure 5-1 Data Link Status Page ..... 5-2
Figure 5-2 Weather Page ..... 5-3
Figure 6-1 XM Information Page ..... 6-2
Figure 6-2 Lock Data Link Activation Screen ..... 6-2
Figure 7-1 GDL 69 Status Page ..... 7-1
Figure 7-2 Accessing GDL 69 Status Page through Music Key ..... 7-2
Figure 7-3 Accessing GDL 69 Status Page through System Key ..... 7-2
Figure 7-4 GTN Subscription List ..... 7-3
Figure 7-5 GTN Lock Activation Screen ..... 7-3


## LIST OF TABLES


Table 1-1 Referenced Publications ..... 1-2
Table 5-1 SAT ID Field ..... 5-2
Table 5-2 Connectivity Field ..... 5-2

# 1 OVERVIEW

## 1.1 Introduction

The *GDL 69/69A SiriusXM Satellite Radio Activation Instructions* are applicable to the following GDL 69 Series products:

- MX20/GMX 200
- G1000/G900X/G950
- G500/G600
- GNS 400/500 Series
- GNS 400W/500W Series
- GTN 6XX/7XX

The use of the term GDL 69 Series encompasses all the different models in this document unless otherwise specified. The term GDL 69/69A SXM is used to indicate receiver models compatible with the updated SiriusXM G4 satellite network.

The GDL 69 models are a weather data link only. The GDL 69A models combine a weather data link and an audio receiver.

## 1.2 General Activation Information

Before activating, the GDL 69 Series must be installed in accordance with *GDL 69 Series TSO Installation Manual* or *GDL 69/69A Part 23 AML STC Installation Manual.* Before the GDL 69 Series can be used, the unit must have active SiriusXM Satellite Radio subscriptions. This document will take you through the process.

To activate a GDL 69 Series receiver, the Radio ID(s) are required. The Data Radio ID is for SiriusXM weather while the Audio Radio ID is for SiriusXM audio entertainment (available only on GDL 69A models). The Radio ID information is printed on a label affixed to the last page of this document and can be retrieved electronically from the interfaced display unit. To activate a GDL 69 SXM receiver, only one Radio ID is required (both Data and Audio use the same ID).

To activate service, refer to SiriusXM's website at www.siriusxm.com/sxmaviation, or call (855) 796-9847.

## 1.3 Refreshing Activation

Refresh the unit if it has been inactive for more than one hour. Activation refresh can be performed through the SiriusXM website at https://care.siriusxm.com/retailrefresh_view.action. Follow the instructions on the website. If both data (weather) and audio packages need to be refreshed on a first generation GDL 69 Series, the refresh must be performed for each Radio ID.

**NOTE**

*If the aircraft has not been powered on for an extended period of time, the SiriusXM subscription may have been automatically deactivated. In this event, the unit must be refreshed.*

## 1.4 Deactivation/Reactivation

When the GDL 69 Series is not properly activated, it may be necessary to perform a full deactivation and reactivation of the system. This procedure is complicated and should not be attempted without the guidance of Garmin technical support.

## 1.5 Reference Documents

The following publications are sources of additional information for activating the GDL 69 Series products. Before activating the GDL 69 Series, all referenced materials applicable to the installation should be read. Be sure to visit www.garmin.com and verify the latest revision of documents applicable to your equipment.

**Table 1-1 Referenced Publications**

| Document | P/N |
|---|---|
| *G500 Pilot's Guide* | 190-01102-02 |
| *G500 AML STC Installation Manual* | 190-01102-06 |
| *G600 Pilot's Guide* | 190-00601-02 |
| *G600 AML STC Installation Manual* | 190-00601-06 |
| *G900X Integrated Flight Deck Pilot's Guide* | 190-00726-00 |
| *G950 Integrated Avionics System Pilot's Guide* | 190-00870-( ) |
| *G1000 Pilot's Guide* | [1] |
| *GDL 69 Series Pilot's Guide* | 190-00355-12 |
| *GDL 69 Series TSO Installation Manual* | 190-00355-07 |
| *GDL 69/69A Part 23 AML STC Installation Manual* | 190-00355-02 |
| *GMX 200 Pilot's Guide and Reference* | 190-00607-02 |
| *GMX 200 Multi-Function Display Installation Manual* | 190-00607-04 |
| *GNC 420(A) Pilot's Guide and Reference* | 190-00140-20 |
| *GNS 430(A) Pilot's Guide and Reference* | 190-00140-00 |
| *GNS 530(A) Pilot's Guide and Reference* | 190-00181-00 |
| *GPS 400 Pilot's Guide and Reference* | 190-00140-60 |
| *GPS 500 Pilot's Guide and Reference* | 190-00181-60 |
| *400W/500W Series Pilot's Guide Addendum* | 190-00356-30 |
| *GTN 625/635/650 Pilot's Guide* | 190-01004-03 |
| *GTN 725/750 Pilot's Guide* | 190-01007-03 |
| *MX20 Multi-Function Display Installation Manual* | 560-1025-( ) |
| *MX20 Pilot's Guide* | 560-1026-( ) |

[1] G1000 Pilot's Guides are airframe specific. Refer to the Garmin Dealer Resource Center at www.garmin.com for additional information.

# 2 MX20/GMX 200 ACTIVATION

The MX20/GMX200 must be configured to accept information from a GDL 69 Series unit in accordance with *MX20 Multi-Function Display Installation Manual* or the *GMX 200 Multi-Function Display Installation Manual*. The complete activation process may take over 45 minutes, depending on the demands of the SiriusXM activation system. Do not cycle or remove power from the units during the activation process. It is recommended that the aircraft is outside and away from metallic structures. For activation, you will need the SiriusXM Radio ID(s) and your billing information. The SiriusXM Radio IDs are located on the Data Link Status page (see figure 2-1) and on the back page of this document.

**NOTE**

*GDL 69/69A units have separate Data and Audio Radio IDs, and will not function correctly with both audio and data services activated under one ID. GDL 69 SXM receivers use one Radio ID for both data and audio services.*

## 2.1 Activation Steps

1. Ensure the aircraft's SiriusXM antenna has an unobstructed view of the southern sky.
2. Connect aircraft to an external power source, if available.
3. With the MX20/GMX 200 and GDL 69 Series unit powered up, verify the yellow GDL 69 failure flag is not displayed. A flag indicates potential communication issue between the MX20/GMX 200 and GDL 69 Series unit.
4. Go to the SiriusXM Activation page.
   a. Press the **FN** key until the FIS function is displayed. Press the **FIS** soft key.
   b. Press the fourth soft key on the bottom of the page, until "STATUS" is displayed.
   c. Press the **MENU/ENT** key.
   d. Press the soft key on the right hand side next to **Products**. "Diagnostics" and "Start Diag" will be displayed ("Start Diag" is not displayed in software version 5.5).
   e. Press the **Diagnostics** soft key.
   f. The Activation page will be displayed.
5. To activate service, refer to SiriusXM's website at www.siriusxm.com/sxmaviation, or call (855) 796-9847.

**NOTE**

*Specify subscription class when activating the data service. The activation process takes approximately 45-60 minutes, but may take longer depending on system load. During the activation process, the unit may display several different activation levels. This is common and should be ignored.*

6. Once the service class and all of the weather products subscribed to are displayed, press the **Accept** soft key. Wait 10 to 30 seconds to allow the GDL 69 Series to process the accept command and lock in the activation.

**Figure 2-1 GMX 200 ID Locations**
**(MX20 functionally identical to GMX 200 shown)**

**Figure 2-2 GMX 200 Channel List**
**(MX20 functionally identical to GMX 200 shown)**

## 2.2 Verify Activation

Weather data activation is verified by observing weather products displayed on the Data Link Status page.

The audio portion is activated independently from the weather for GDL 69 Series units with an audio receiver. Once the data service is activated, access the SiriusXM Radio page by pressing the **FN** key until XM is displayed. If the full channel list displays, the audio portion has been activated.

**NOTE**

*Some display software versions will not correctly display GDL 69/69A SXM service class and subscribed weather products. Refer to GDL 69 Series Pilot's Guide for more information.*

**NOTE**

*An activated unit will display the full channel list. A non-activated unit will display only channel 0 (Radio ID) and channel 1 (XM Preview).*

This page intentionally left blank

# 3 G1000/G900X/G950 ACTIVATION

The G1000/G900X/G950 must be configured to accept information from a GDL 69 Series unit in accordance with the applicable display installation manual. The complete activation process may take over 45 minutes, depending on the demands of the SiriusXM activation system. Do not cycle or remove power from the units during the activation process. It is recommended that the aircraft is outside and away from metallic structures. For activation, you will need the SiriusXM Radio ID(s) and your billing information. The SiriusXM Radio IDs are located on the XM Info page (see figure 3-2) and on the back page of this document.

**NOTE**

*GDL 69/69A units have separate Data and Audio Radio IDs, and will not function correctly with both audio and data services activated under one ID. GDL 69 SXM receivers use one Radio ID for both data and audio services.*

## 3.1 Activation Steps

1. Ensure the aircraft's SiriusXM antenna has an unobstructed view of the southern sky.
2. Connect aircraft to external power source if available.
3. Once the G1000/G900X/G950 is powered up, turn the outer **FMS** knob clockwise on the MFD until the AUX group is highlighted. See figure 3-1 for details.

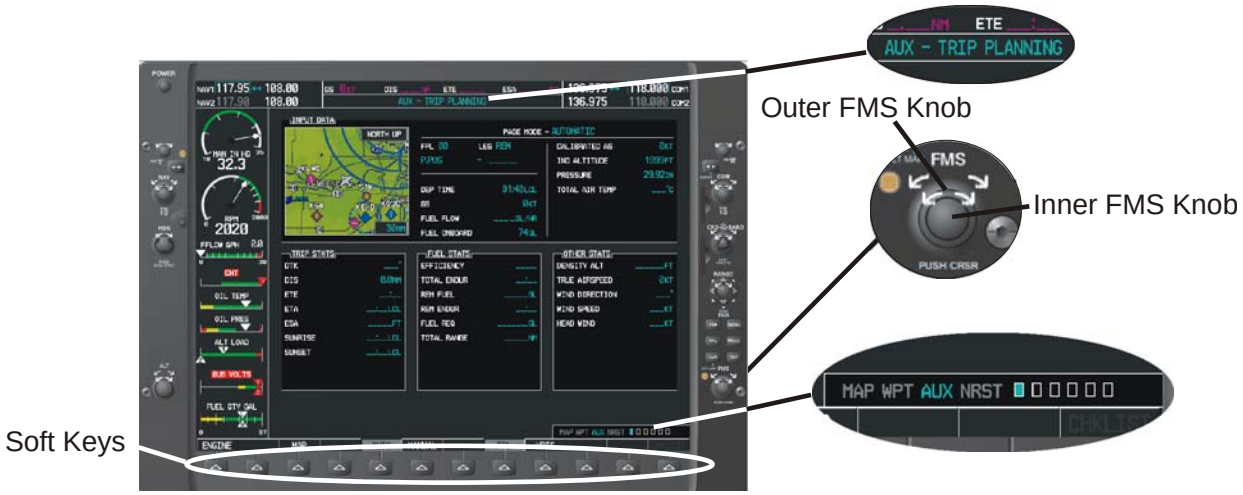


**Figure 3-1 AUX Group**

4. Turn the inner **FMS** knob clockwise until the XM Radio page is displayed. The XM Radio page has two subpages, Radio and Info. These are selected by pressing the **RADIO** or **INFO** soft keys. Pressing the **RADIO** soft key will display the XM Radio page. See figure 3-3 for details. If the radio is not activated, the G1000/G900X/G950 will only display the free-to-air channels, channel 0 (Radio ID) and channel 1 (XM Preview). If the free-to-air channels display and audio can be heard from channel 1, the system is ready to activate the radios. When calling for activation, the system must be on the Info subpage. Press the **INFO** soft key to view your Audio and Data Radio IDs. See figure 3-2 for additional information. The Weather Products window at the bottom of the screen shows current subscriptions in green.

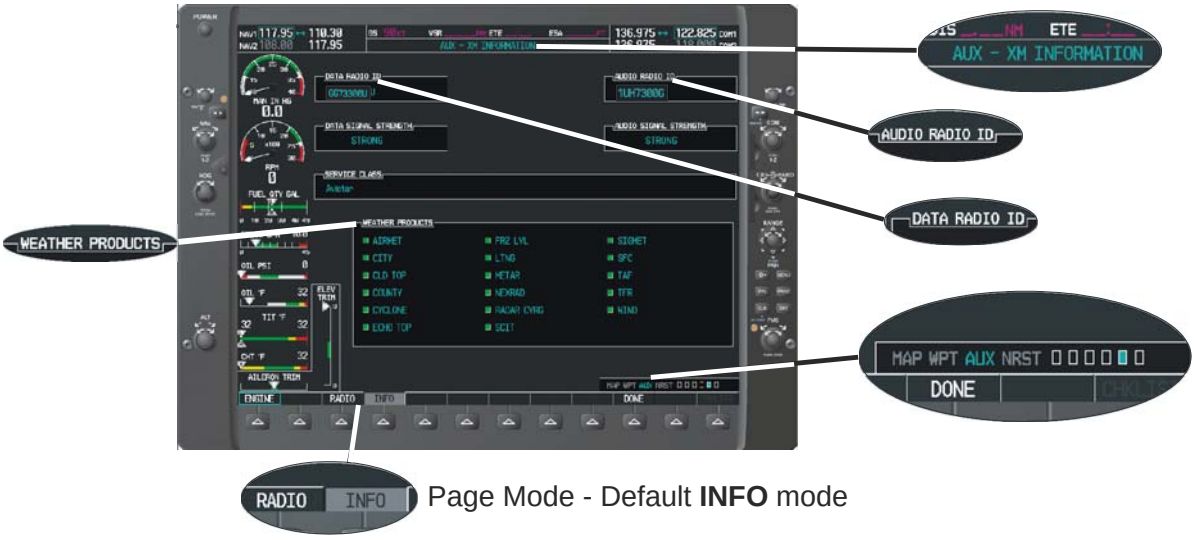


**Figure 3-2 XM Info Page**

**NOTE**

*G1000/G900X/G950 must be on the Info subpage during activation.*

**Figure 3-3 XM Radio Subpage**

5. To activate service, refer to SiriusXM's website at www.siriusxm.com/sxmaviation, or call (855) 796-9847.

**NOTE**

*Specify subscription class when activating the data service. The activation process takes approximately 45-60 minutes, but may take longer depending on system load. During the activation process, the unit may display several different activation levels. This is common and should be ignored.*

6. Activation begins once the SiriusXM system has your information. During activation the Info page will display the various weather products being activated.
7. Once activation is complete, press the **LOCK** soft key for a prompt to lock the data link activation. See figure 3-4 for details.
   a. The outer **FMS** knob is used to highlight yes or no.
   b. Press the **ENT** key to lock in your activation.
   c. Press the **CLR** key to cancel.

**NOTE**

*During the activation process do not anything that could potentially disrupt the process.*

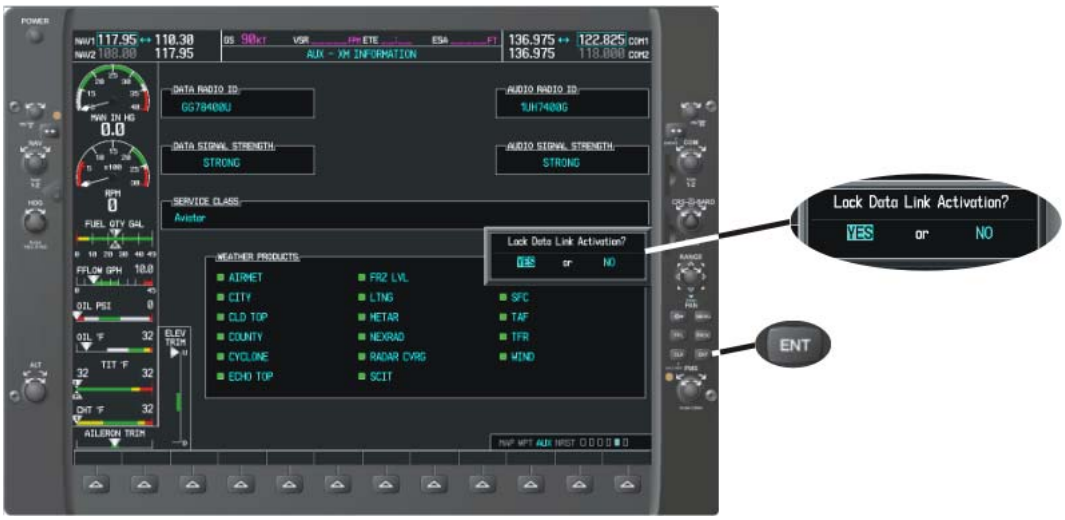


**Figure 3-4 Lock Activation Screen**

## 3.2 Verify Activation

Once the Data Radio is activated, the subscription level will display in the service class window. Verify the service class and weather products displayed on the Info page is the service you purchased. To verify the Audio Radio is activated, press the **RADIO** soft key. A complete listing of all available subscription channels will now display.

**NOTE**

*Some display software versions will not correctly display GDL 69/69A SXM service class and subscribed weather products. Refer to GDL 69 Series Pilot's Guide for more information.*

**NOTE**

*A non-activated unit will display only channel 0 (Radio ID) and channel 1 (XM Preview). An activated unit will display the full channel list.*

# 4 G500/G600 ACTIVATION

The G500/G600 must be configured to accept information from a GDL 69 Series unit in accordance with *G500 AML STC Installation manual* or *G600 AML STC Installation Manual*. The complete activation process may take over 45 minutes, depending on the demands of the SiriusXM activation system. Do not cycle or remove power from the units during the activation process. It is recommended that the aircraft is outside and away from metallic structures. For activation, you will need the SiriusXM Radio ID(s) and your billing information. The SiriusXM Radio IDs are located on the XM Information page (see figure 4-1) and on the back page of this document.

**NOTE**

*GDL 69/69A units have separate Data and Audio Radio IDs, and will not function correctly with both audio and data services activated under one ID. GDL 69 SXM receivers use one Radio ID for both data and audio services.*

## 4.1 Activation Steps

1. Ensure the aircraft's SiriusXM antenna has an unobstructed view of the southern sky.
2. Connect aircraft to external power source if available.
3. Power on the avionics and allow the G500/G600 system and the GDL 69 Series unit to power up.
4. Turn the large **MFD** knob clockwise to the AUX group. Turn the small **MFD** knob to the XM Information page.

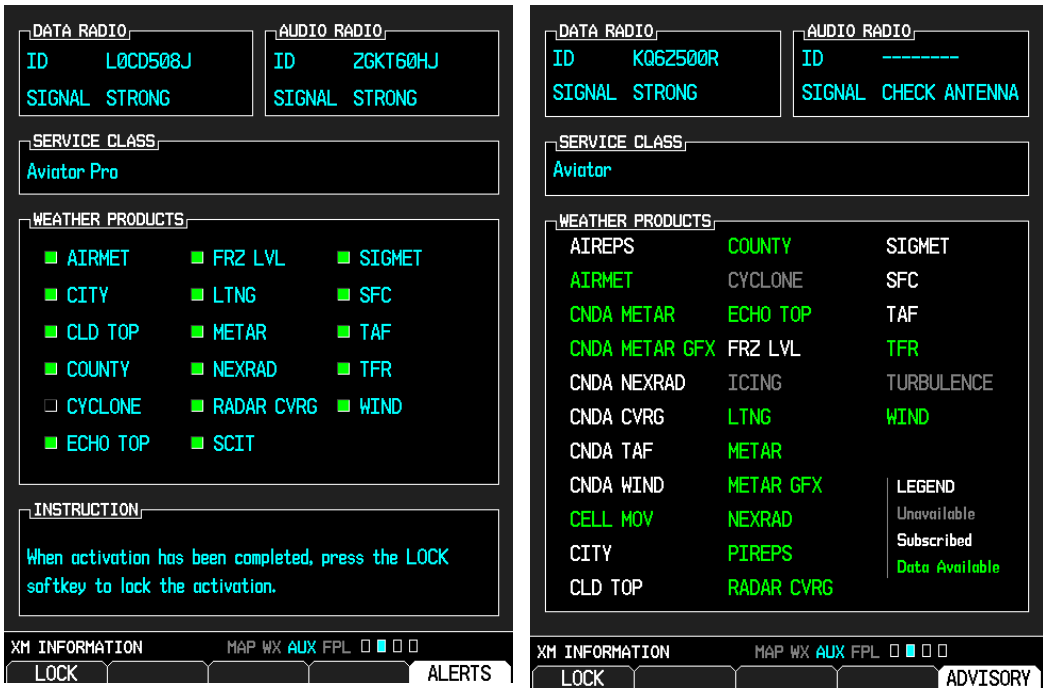


**Figure 4-1 XM Information Page**

A list of weather products will display in the Weather Products window. For software versions 6.21 or earlier, green boxes indicate subscription access. For software version 7.00 or later, see the LEGEND in figure 4-1 to determine which products are available, subscribed to, and have current data available.

5. To activate service, refer to SiriusXM's website at www.siriusxm.com/sxmaviation, or call (855) 796-9847. Data Radio ID and Audio Radio ID are displayed at the top of the XM Information page. See figure 4-1 for details. During the activation process, the XM Information page will show the various weather products being activated.
6. Once activation is complete, press the **LOCK** soft key for a prompt to lock the data link activation.
   a. The inner **MFD** knob is used to highlight yes or no.
   b. Press the **ENT** key to lock in your activation.
   c. Press the **CLR** key to cancel.

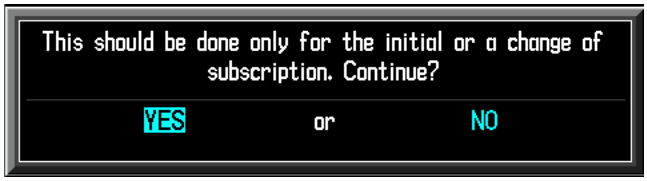


**Figure 4-2 Lock Activation Screen**

**NOTE**

*Specify subscription class when activating the data service. The activation process takes approximately 45-60 minutes, but may take longer depending on system load. During the activation process, the unit may display several different activation levels. This is common and should be ignored.*

## 4.2 Verify Activation

Once the Data Radio is activated, the subscription level will show in the service class field. Verify the service class and weather products displayed on the Info page is the service you purchased.

For GDL 69A units only, turn the inner **MFD** knob to the XM Radio page. Verify a complete listing of all available subscription channels displays.

**NOTE**

*Some display software versions will not correctly display GDL 69/69A SXM service class and subscribed weather products. Refer to GDL 69 Series Pilot's Guide for more information.*

**NOTE**

*A non-activated unit will display only channel 0 (Radio ID) and channel 1 (XM Preview). An activated unit will display the full channel list.*

**Figure 4-3 XM Radio Page**

This page is intentionally left blank

# 5 GNS 400/500 SERIES ACTIVATION

The GNS 400/500 Series must be configured to accept information from a GDL 69 Series in accordance with the applicable GNS 400/500 Series installation manual. The complete activation process may take over 90 minutes, depending on the demands of the SiriusXM activation system. Do not cycle or remove power from the units during the activation process. It is recommended that the aircraft is outside and away from metallic structures. For activation, you will need the SiriusXM Radio ID and your billing information. The SiriusXM Radio ID is located on the Data Link Status page (see figure 5-1) and on the back page of this document.

**NOTE**

*The GNS 400/500 Series navigators only support data services. Request DATA ONLY service using the Data Radio ID if connected to a GDL 69 Series unit with an audio receiver.*

**NOTE**

*Once service is activated, do not change pages until the DATA LINK STATUS page shows satellite radio service is activated.*

## 5.1 Activation Steps

1. Ensure the aircraft's SiriusXM antenna has an unobstructed view of the southern sky.
2. Connect aircraft to external power source if available.
3. Apply power to system and allow GNS 400/500 Series and GDL 69 Series units to power up.
4. Select the DATA LINK page from the AUX page group.
5. Press the inner right knob to activate the cursor. Turn either the outer or inner right knob clockwise until DATA LINK STATUS is highlighted. Press the **ENT** key to select Data Link Status page.
6. Locate the Radio Data ID in the SATCOM SER NUM field. See figure 5-1 for additional information. For information on SAT ID/CONNECTIVITY, see table 5-1 and table 5-2. The SATCOM Operation field will always indicate Idle. To activate service, refer to SiriusXM's website at www.siriusxm.com/sxmaviation, or call (855) 796-9847.
7. Once the activation process with SiriusXM is complete, press the inner right knob to exit the DATA LINK STATUS page.

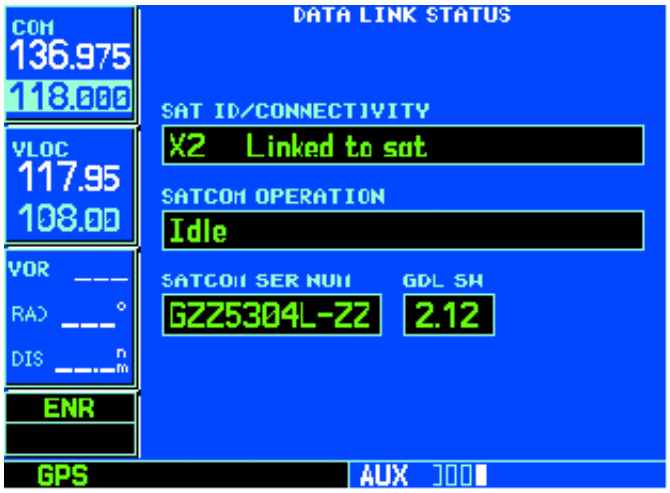


**Figure 5-1 Data Link Status Page**

**Table 5-1 SAT ID Field**

| Description | Display |
|---|---|
| System communication not yet established | -- |
| System not communicating with internal satellite radio hardware (normal during power-up) | XM |
| X indicates satellite radio service activated. Numbers indicate satellite signal quality. 0=none, 1=poor, 2=good, and 3=excellent | X0, X1, X2, X3 |
| - indicates Satellite radio service is not activated. Numbers indicate satellite signal quality. 0=none, 1=poor, 2=good, and 3=excellent | -0, -1, -2, -3 |

**NOTE**

*GDL 69 SXM units will appear to indicate satellite service is not active. If data shows up during the verify activation steps, the activation is valid.*

**Table 5-2 Connectivity Field**

| Description | Display |
|---|---|
| Satellite is not in view, signal quality is 0 | Searching... |
| Satellite is in view, signal quality between 1 and 3 | Satellite in view |
| Satellite is in view and linked | Linked to sat |

## 5.2 Verify Activation

To verify included products display them on the unit.

1. Select the WEATHER page by turning the outer right knob until the NAV group is selected. Turn the inner right knob until the WEATHER page is selected.
2. Press the inner right knob to activate the cursor. The upper left hand corner field will flash.
3. Turn the inner right knob to cycle through displaying NXRD, METAR, WINDS, and TEMP/DP weather data.
4. Press the **ENT** key to select data to display. If information displays, then a valid activation has occurred. If observing NXRD screen and weather does not display, verify the NEXRAD timer in the upper right corner to confirm delivery of NEXRAD data. See figure 5-2 for details.

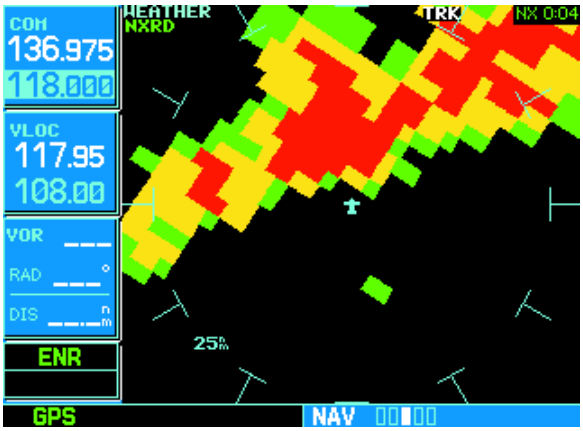


**Figure 5-2 Weather Page**

**NOTE**

*To allow the subscription lock process to occur, the 400/500 Series units must be left on for an additional 1.5 hours after verifying all weather products.*

This page is intentionally left blank

# 6 GNS 400W/500W SERIES ACTIVATION

The GNS 400W/500W Series must be configured to accept information from a GDL 69 Series unit in accordance with the applicable GNS 400W/500W installation manual. The complete activation process may take over 90 minutes, depending on the demands of the SiriusXM activation system. Do not cycle or remove power from the units during the activation process. It is recommended that the aircraft is outside and away from metallic structures. For activation, you will need the SiriusXM Radio ID(s) and your billing information. The SiriusXM Radio IDs are located on the XM Information page (see figure 6-1) and on the back page of this document.

**NOTE**

*GDL 69/69A units have separate Data and Audio Radio IDs, and will not function correctly with both audio and data services activated under one ID. GDL 69 SXM receivers use one Radio ID for both data and audio services.*

**NOTE**

*Once activation process has been started, do not change pages until the XM Information page shows satellite radio service has been activated.*

## 6.1 Activation Steps

1. Ensure the aircraft's SiriusXM antenna has an unobstructed view of the southern sky.
2. Connect aircraft to external power source if available.
3. Apply power to system and allow GNS 400/500 Series and GDL 69 Series units to power up.
4. Select the XM Information page from the AUX page group.
5. Locate the Data ID and Audio ID (GDL 69A only) on the XM Information page. See figure 6-1 for additional information. The Service Class field will initially read "DETECTING ACTIVATION." To activate service, refer to SiriusXM's website at www.siriusxm.com/sxmaviation, or call (855) 796-9847.
6. The Service Class will read "DETECTING ACTIVATION" until the activation request is processed completely by the SiriusXM activation system. The activation process is not complete until a valid service class is displayed. Once the correct service class is displayed, press the **MENU** soft key and select "Lock Data Link Activation" by pressing the **ENT** key. See figure 6-2 for additional information. This will lock the system activation to the GDL 69 Series unit.

**NOTE**

*Specify subscription class when activating the data service. The activation process takes approximately 45-60 minutes, but may take longer depending on system load. During the activation process, the unit may display several different activation levels. This is common and should be ignored.*

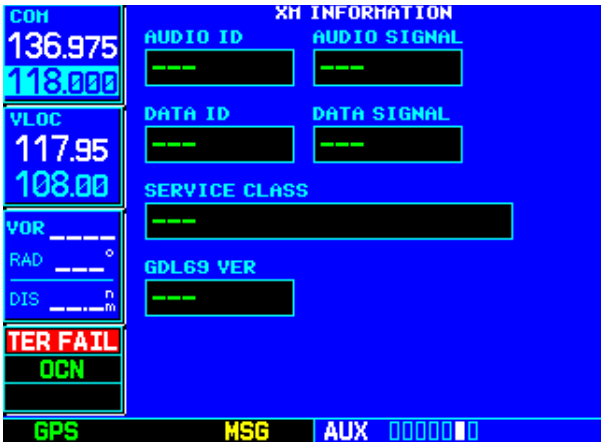


**Figure 6-1 XM Information Page**

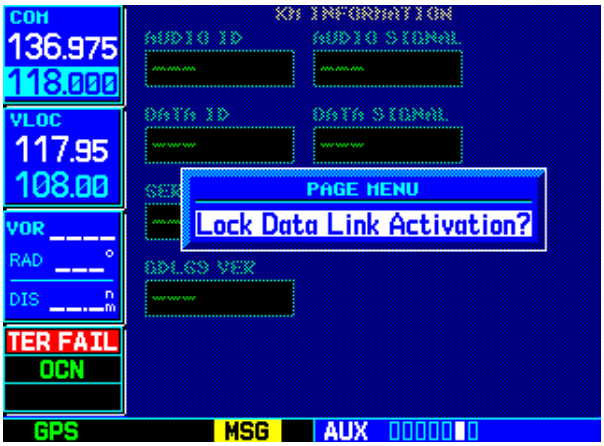


**Figure 6-2 Lock Data Link Activation Screen**

## 6.2 Verify Activation

Verify the following:

1. Verify Service Class on the XM Information page.

**NOTE**

*Some display software versions will not correctly display GDL 69/69A SXM service class and subscribed weather products. Refer to GDL 69 Series Pilot's Guide for more information.*

2. Verify data subscription by navigating to the XM WX Timestamps and XM WX Timestamps 2 pages in the AUX group. Verify all services included in the subscription have a valid time stamp and do not display "N/A."
3. Verify the audio subscription by navigating to the XM Audio page of the AUX group. Verify channels in the top window and channel information in the bottom window are both populated.

**NOTE**

*A non-activated unit will display only channel 0 (Radio ID) and channel 1 (XM Preview). An activated unit will display the full channel list.*

**NOTE**

*To allow the subscription lock process to occur, the 400W/500W Series units must be left on for an additional 1.5 hours after verifying all weather products.*

This page is intentionally left blank

# 7 GTN 6XX/7XX ACTIVATION

The GTN 6XX/7XX must be configured to accept information from a GDL 69 Series in accordance with the applicable GTN 6XX/7XX installation manual. The complete activation process may take over 45 minutes, depending on the demands of the SiriusXM activation system. Do not cycle or remove power from the units during the activation process. It is recommended that the aircraft is outside and away from metallic structures. For activation, you will need the SiriusXM Radio ID(s) and your billing information. The SiriusXM Radio IDs are located on the Data Link Status page (see figure 7-1) and on the back page of this document.

**NOTE**

*GDL 69/69A units have separate Data and Audio Radio IDs, and will not function correctly with both audio and data services activated under one ID. GDL 69 SXM receivers use one Radio ID for both data and audio services.*

## 7.1 Activation Steps

1. Ensure the aircraft's SiriusXM antenna has an unobstructed view of the southern sky.
2. Connect aircraft to external power source if available.
3. Power on the avionics and allow the GTN to power up in normal mode.
4. There are two methods to display the status and Radio ID(s) of the GDL 69 series. See figure 7-1 for details.

**Figure 7-1 GDL 69 Status Page**

a. One method is to select the **Music** key on the Home page, followed by the **Status** key.

**Figure 7-2 Accessing GDL 69 Status Page through Music Key**

b. The second method is to select the **System** key on the Home page, followed by the **External LRUs** key, and then the **More Info** key.

**Figure 7-3 Accessing GDL 69 Status Page through System Key**

5. To activate service, refer to SiriusXM's website at www.siriusxm.com/sxmaviation, or call (855) 796-9847.

**NOTE**

*Specify subscription class when activating the data service. Service should activate in 45-60 minutes, but may take longer depending on system load. During the activation process, the unit may display several different activation levels. This is normal and should be ignored.*

## 7.2 Verify Activation

Once the weather receiver has been activated, the subscription level will be displayed under the Subscription Level field, see figure 7-4 for details. The legend in the bottom right corner displays the status of the weather products. Verify the subscription level and weather products displayed are the services that were purchased. Once satisfied with all products, select the **Menu** key for a prompt to lock the data link activation. See figure 7-5 for details. Select the **Lock Activation** key to lock in subscription.

**NOTE**

*Some display software versions will not correctly display GDL 69/69A SXM service class and subscribed weather products. Refer to GDL 69 Series Pilot's Guide for more information.*

**NOTE**

*A non-activated unit will display only channel 0 (Radio ID) and channel 1 (XM Preview). An activated unit will display the full channel list.*

**Figure 7-4 GTN Subscription List**

**Figure 7-5 GTN Lock Activation Screen**

# IMPORTANT!

## CONTAINS GDL 69 SERIES INFORMATION REQUIRED FOR SIRIUSXM SATELLITE RADIO ACTIVATION

**This document MUST be given to the aircraft owner at time of delivery.**

# IMPORTANT!

## CONTAINS GDL 69 SERIES INFORMATION REQUIRED FOR SIRIUSXM SATELLITE RADIO ACTIVATION

**This document MUST be given to the aircraft owner at time of delivery.**

PLACE
XM RADIO ID#
HERE

**SEE ACKNOWLEDGMENT ON PAGE ii**